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CLAIMS

1. (Currently Amended) A method for providing call forwarding in an IP telephone network in response to the, ~~comprising the steps of:~~ dialing of a unique identifier for a first telephone from a second telephone to make a call, the method comprising the steps of:

routing the call to a call management device located in the IP telephone network;
said call management device sending at least a first data message containing information pertaining to the call destination information to a customer premises equipment responsible for said first telephone without extending the call to that customer premises equipment or to said first telephone;

the customer premises equipment responding to said first data message by checking stored call forwarding profiles in the customer premises equipment to determine whether there is an active call forwarding profile for said first telephone, ~~and;~~

said call management device extending said call via said customer premises equipment to said first telephone if an active call forwarding profile is not found;

said customer premises equipment sending at least a second data message that includes call forwarding information of said profile for said first telephone, which information includes conditions for call forwarding, to said call management device, if there is an active call forwarding profile for said first telephone; and

said call management device receiving said at least second data message that includes said call forwarding information and routing the call to at least a third telephone based on the call forwarding information.

2. (Original) The method according to claim 1, further comprising the step of:
using a distinctive ringing tone at the at least third telephone to indicate that the incoming call is a forwarded call.

3. (Original) The method according to claim 1, wherein a subscriber creates call forwarding profiles using a computer connected to said customer premises equipment via phone lines.

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- 1 4. (Original) The method according to claim 1, wherein a subscriber creates call
2 forwarding profiles by interacting with the customer premises equipment.
- 1 5. (Original) The method according to claim 1, wherein the active call forwarding
2 profile remains active until the call forwarding profile is disabled by a subscriber.
- 1 6. (Original) The method according to claim 1, wherein the active call forwarding
2 profile remains active until the call forwarding profile is deleted from the customer premises
3 equipment by a subscriber.
- 1 7. (Original) The method according to claim 1, wherein said call forwarding profile
2 comprises multiple unique identifiers to which the call can be routed.
- 1 8. (Original) The method according to claim 7, wherein the call is routed
2 simultaneously to the multiple unique identifiers when the call forwarding profile is active.
- 1 9. (Original) The method according to claim 7, wherein the call is routed to the
2 multiple unique identifiers sequentially.
- 1 10. (Original) The method according to claim 1, wherein the call forwarding profile
2 only forwards calls from a predetermined list of caller unique identifiers.
- 1 11. (Currently Amended) The method according to claim 1, wherein the call
2 forwarding profile specifies that callcalls are only to be forwarded during predetermined
3 periods of time.
- 1 12. (Original) The method according to claim 11, wherein said predetermined periods
2 of time are various days of the week.
- 1 13. (Currently Amended) The ~~meted~~method according to claim 11, wherein said

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2 predetermined periods of time are various hours of the day.

1 14. (Original) The method according to claim 11, wherein said predetermined periods
2 of time are various hours and days of the week.

1 15. (Currently Amended) The method according to claim [I] 1, wherein said unique
2 identifier is a telephone number.

1 16. (Currently Amended) The method according to claim [I] 1, wherein said unique
2 identifier is an IP address.

1 17. (Original) The method according to claim 1, wherein said customer premises
2 equipment is a Broadband Residential Gateway.

18. Canceled.

1 19. (Currently Amended) An IP telephone system for providing call forwarding service
2 to a plurality of telephones connected to an IP network, each telephone having a unique
3 identifier, the telephone system comprising:
4 a call management device located in ~~an~~ the IP network for routing telephone calls
5 between the plurality of telephones; and
6 customer premises devices serving at least one telephone, wherein the customer
7 premises device has memory means for storing call forwarding profiles, means for
8 determining if the call forwarding profile is active when a call is received at the customer
9 premises device for the telephone and means for sending said active call forwarding profile
10 to said call management device;
11 wherein the call is routed by ~~the~~ said call management device to a telephone based
12 on the call forwarding information contained in said active call forwarding profile.

1 20. (Original) The system according to claim 19, wherein said memory means is a

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2 flash memory.

1 21. (Currently Amended) The system according to claim 19, wherein a distinctive
2 ringing tone is used by the telephone to which the call is forwarded so as to indicate
3 ~~indicated~~ that the incoming call has been forwarded.

1 22. (Original) The system according to claim 19, wherein a subscriber creates call
2 forwarding profiles using a computer connected to said customer premises equipment via
3 phone lines.

1 23. (Original) The system according to claim 19, wherein a subscriber creates call
2 forwarding profiles with customer premises equipment.

1 24. (Original) The system according to claim 19, wherein the active call forwarding
2 profile is disabled by a subscriber.

1 25. (Original) The system according to claim 19, wherein the active call forwarding
2 profile remains active until the call forwarding profile is deleted from the customer premises
3 equipment by a subscriber.

1 26. (Original) The system according to claim 19, wherein said call forwarding profile
2 comprises multiple unique identifiers to which the call can be routed.

1 27. (Original) The system according to claim 26, wherein the call is routed
2 simultaneously to the multiple unique identifiers when the call forwarding profile is active.

1 28. (Original) The system according to claim 26, wherein the call is routed to the
2 multiple unique identifiers sequentially.

1 29. (Original) The system according to claim 19, wherein the call forwarding profile

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2 only forwards calls from a predetermined list of caller unique identifiers.

1 30. (Currently Amended) The system according to claim 19, wherein the call
2 forwarding profile specifies that ~~call~~calls are only to be forwarded during predetermined
3 periods of time.

1 31. (Original) The system according to claim 30, wherein said predetermined periods
2 of time are various days of the week.

1 32. (Original) The system according to claim 30, wherein said predetermined periods
2 of time are various hours of the day.

1 33. (Original) The system according to claim 30, wherein said predetermined periods
2 of time are various hours and days of the week.

1 34. (Original) The method according to claim 19, wherein said unique identifier is a
2 telephone number.

1 35. (Original) The method according to claim 19, wherein said unique identifier is an
2 IP address.

1 36. (Original) The method according to claim 19, wherein said customer premises
2 equipment is a Broadband Residential Gateway.

37. Canceled.

1 38. (Currently Amended) A method for providing call forwarding in an IP telephone
2 network, comprising the steps of:
3 creating a call forwarding profile for at least a first telephone;
4 storing said call forwarding profile in a customer premises equipment;

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5 routing a call from a second telephone to the first telephone to a call manager within
6 said IP telephone network;

7 transmitting a first data message from the call manager to the customer premises
8 equipment that causes checking-said stored call forwarding profile to be checked in order to
9 determine whether there is an active call forwarding profile for said first telephone, said
10 profile being checked without said call being extended to said customer premises
11 equipment;

12 connecting said call to said first telephone if said customer premises equipment does
13 not return an active call forwarding profile is not found to said call manager; and

14 said call manager receiving said active call forwarding profile from said customer
15 premises equipment in a second data message and routing the call to at least a third
16 telephone based on call forwarding information in the received active call forwarding
17 profile.

1 39. (Original) The method according to claim 38, further comprising the step of:
2 using a distinctive ringing tone at the at least third telephone to indicate that the
3 incoming call is a forwarded call.

1 40. (Original) The method according to claim 38, wherein a subscriber creates call
2 forwarding profiles using a computer connected to a broadband residential gateway via
3 phone lines.

1 41. (Original) The method according to claim 38, wherein a subscriber creates call
2 forwarding profiles by interacting with a broadband residential gateway.

1 42. (Original) The method according to claim 38, wherein the active call forwarding
2 profile remains active until the call forwarding profile is disabled by a subscriber.

1 43. (Original) The method according to claim 38, wherein the active call forwarding
2 profile remains active until the call forwarding profile is deleted from a broadband

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3 residential gateway by a subscriber.

1 44. (Original) The method according to claim 38, wherein said call forwarding profile
2 comprises multiple telephone numbers to which the call can be routed.

1 45. (Original) The method according to claim 44, wherein the call is routed
2 simultaneously to the multiple telephone numbers when the call forwarding profile is active.

1 46. (Original) The method according to claim 44, wherein the call is routed to the
2 multiple telephone numbers sequentially.

1 47. (Original) The method according to claim 38, wherein the call forwarding profile
2 only forwards calls from a predetermined list of caller telephone numbers.

1 48. (Currently Amended) The method according to claim 38, wherein the call
2 forwarding profile specifies that callcalls are only to be forwarded during predetermined
3 periods of time.

1 49. (Original) The method according to claim 48, wherein said predetermined periods
2 of time are various days of the week.

1 50. (Original) The method according to claim 48, wherein said predetermined periods
2 of time are various hours of the day.

1 51. (Original) The method according to claim 48, wherein said predetermined periods
2 of time are various hours and days of the week.

1 52. (Currently Amended) A method executed in a call manager within an IP telephone
2 network for providing call forwarding comprising the steps of:
3 receiving a destination identifier of a first telephone for a call;

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- 4 sending a control signal to a port at the location of said first telephone without
5 extending said call to said port;
6 when said port responds to said control signal with information that is indicative of
7 no active call forwarding profile for said first telephone, undertaking to extend said call to
8 said port; and
9 when said port responds to said control signal with information detailing a call
10 forwarding profile for said telephone, routing said call in accordance with said information.